UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

DATE: NOV 20 2016

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
OmniSource Indianapolis, LLC, Indianapolis, Indiana

FROM: Cindy Schafer, Environmental Engineer
AECAB (MN/OH)

THRU: Brian Dickens, Section Chief
AECAB (MN/OH)

TO: File

BASIC INFORMATION

Facility Name: OmniSource Indianapolis, LLC

Facility Location: 2205 S. Holt Road, Indianapolis, IN 46241

Date of Inspection: October 26, 2016

Lead Inspector: Cindy Schafer, Environmental Engineer

Other Attendees:
1. Marie St. Peter, Environmental Engineer, U.S. EPA
2. Andrew Mallory, Safety Manager, OmniSource

Purpose of Inspection: Shredder and torching operations inspection in response to citizen complaints

Facility Type: Metal Recycler

Regulations Central to Inspection: SIP limits for particulate matter, opacity, restrictions on open burning, and prohibition on fugitive dust leaving the property

Arrival Time: 9:15am
Departure Time: 10:30am

Inspection Type:

☒ Unannounced Inspection
☐ Announced Inspection

OPENING CONFERENCE

☒ Credentials Presented
☒ CBI warning to facility provided

The following information was obtained verbally from Andrew Mallory unless otherwise noted.

Company Ownership: OmniSource was purchased by Steel Dynamics in 2007.

Process Description:
The facility receives industrial and retail scrap metal by truck. Trucks carrying scrap metal are scanned for radiation, weighed and off-loaded. OmniSource inspects scrap autos and removes mercury switches and any fluids. The facility keeps records of all switches and fluids removed. Some autos are received pre-crushed. These autos are provided by a supplier that de-pollutes (e.g., removes mercury switches and fluids) prior to being handled by OmniSource. A random sampling of these autos are checked by OmniSource prior to shredding. Some autos are received pre-crushed. These autos are provided by a supplier that de-pollutes (e.g., removes mercury switches and fluids) prior to being handled by OmniSource. A random sampling of these autos are checked by OmniSource prior to shredding.

Any scrap metal that is too large for the shredder is cut down manually with a 4-inch oxygen propane torch in a process called torching. Generally, there are 2-4 OmniSource employees torching from about 6am to 4pm during the work week.

Materials that are small enough to be processed by the shredder are loaded by cranes onto a conveyor where they are wetted and fall into the shredder. Particulate emissions from the outlet of the shredder are controlled by a cyclone. From the shredder the materials go through various separation steps that separate the various metals and non-metal materials.

Staff Interview: Mr. Mallory explained that OmniSource had received complaints regarding its operations on its Facebook page. Mr. Mallory stated that OmniSource contacted the complainant and invited him or her to tour the facility. As of the date of the inspection, the complainant had not toured the facility. Mr. Mallory believes that the fires mentioned in the complaints are actually the facility's torching operations. He stated that he has been at the facility for 12 years and is not aware of any fires at any of the scrap piles. The facility is located next to a chemical plant; Mr. Mallory stated that the odors were likely from the chemical plant and not OmniSource.

During the tour of the shredder, EPA inspectors spoke with Dale Backer, the shredder operations manager. He explained that the Smart Water system soaks the materials by injecting water onto the material just prior to the shredder at an injection rate based on the horsepower load at the shredder. The system can inject water up to 140 gallons per minute (gpm) but it usually operates at a water injection rate between 45 and 60 gpm.

During the tour, EPA inspectors witnessed an old office trailer being pushed by a front-end loader across the facility. This generated a cloud of dust; the dust did not appear to cross the fenceline at the facility. Mr. Mallory stated that the facility uses equipment to wet the ground at the facility but that it can't get always get to all roadways or open areas at the facility due to the location of scrap materials.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:
2 photos were taken of the shredder. See Attachment A.

Field Measurements: were not taken during this inspection.

RECORDS REVIEW

The following records were reviewed on-site:

- Mercury switch removal records for August – October, 2016
- Residual fluids removal – hauler receipt records for August – October, 2016

CLOSING CONFERENCE

Requested documents:

- Preventative Maintenance Plan

SIGNATURES

Lead Inspector: _____ Date: 11/8/2016

Section Chief: _____ Date: 11/22/16

APPENDICES AND ATTACHMENTS

Attachment A: Photo Log

- **Photo 1: (IMG_0001.jpg)** Auto shredder residue (non-metallic materials) outlet from shredder. The plume in the photo is steam. The shredder is located in the building in the left in the photo and the cyclone is the blue object in the background.
- **Photo 2: (IMG_0002.jgp)** Shredder outlet is on the right in the photo and the cyclone pick-up point is on the left. There is steam coming from the top and bottom of the shredder.